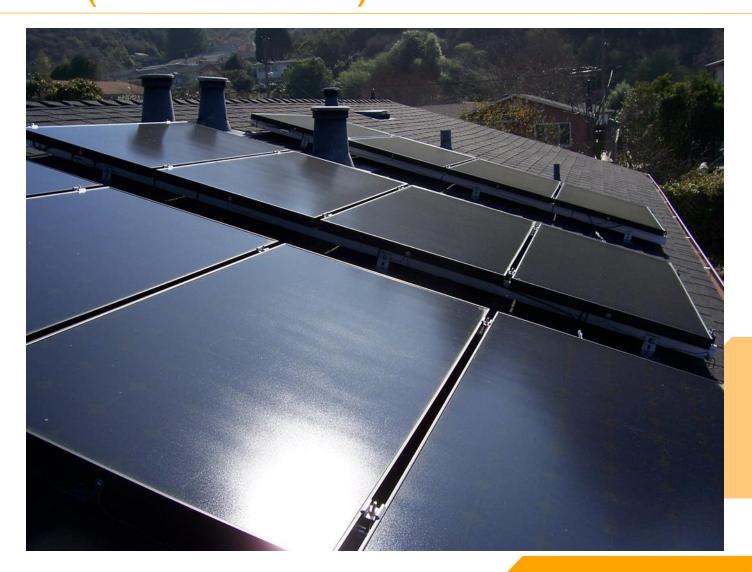
### Inspection Guide for PV Systems—Field Guide

Make sure all PV system ac/dc disconnects and circuit breakers are in the open position and verify the following.

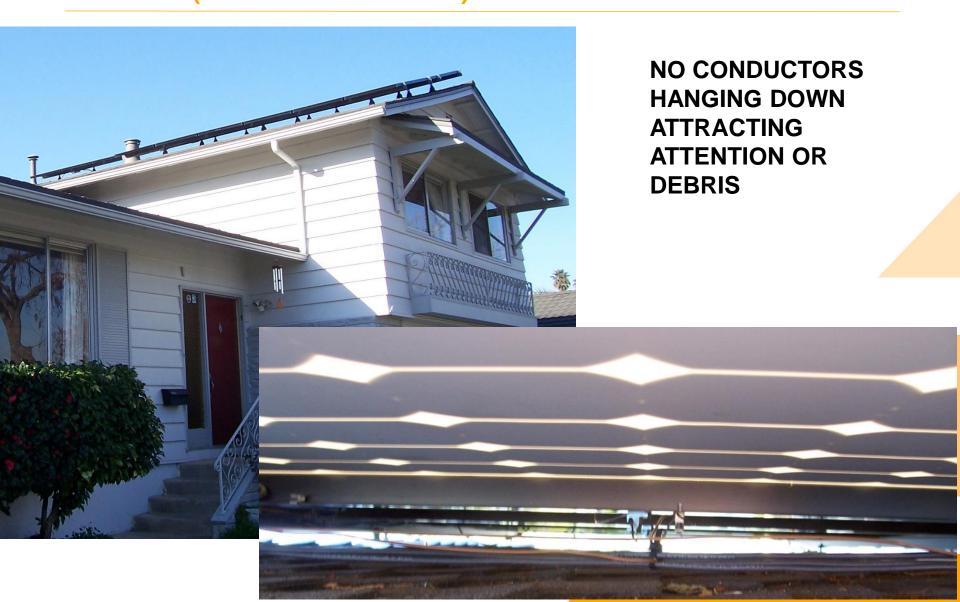
SHOULD BE "OFF"
TO START THE
INSPECTION



## 1. All work done in a neat and workmanlike manner (NEC 110.12)



## 1. All work done in a neat and workmanlike manner (NEC 110.12)



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## 2. PV module model number, quantity and location (also neat and workmanlike)



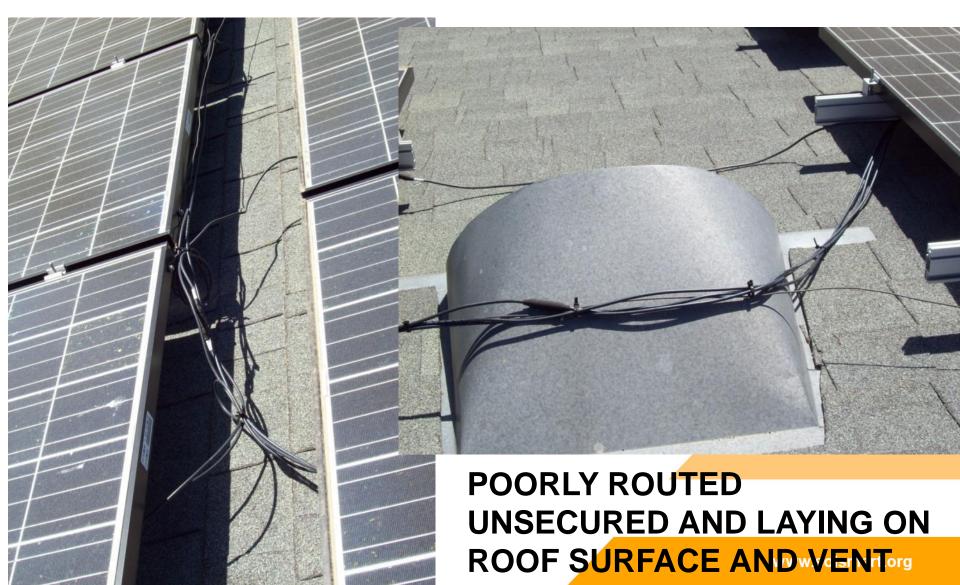
### 2. PV module model number, quantity and location (bad structurally and aesthetically)





- 3. Array mounting system and structural connections according to the approved plan.
- 4. Roof penetrations flashed/sealed according to the approved plan.

### 5. Array exposed cables are properly secured supported and routed to prevent physical damage.



5. Array exposed cables are properly secured, supported and routed to prevent physical damage.

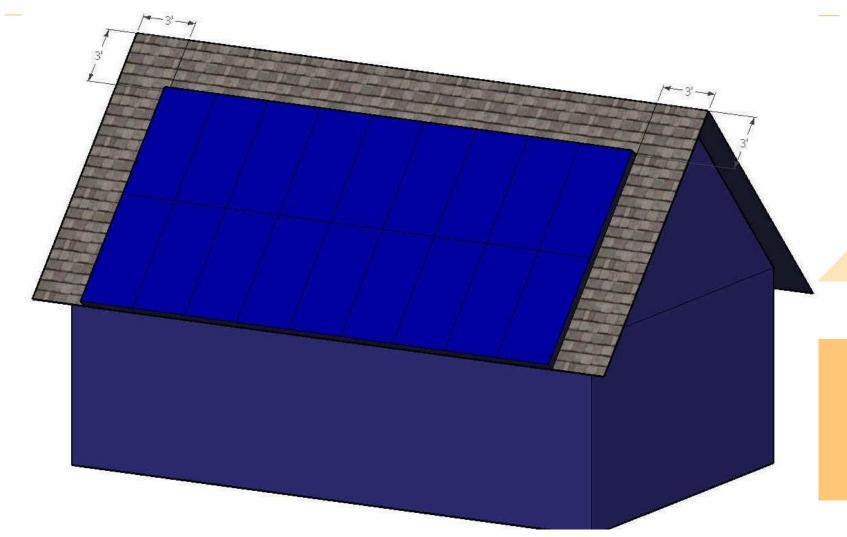


### 6. Conduit correctly installed and according to CRC R331.3 and NEC 690.4(F).

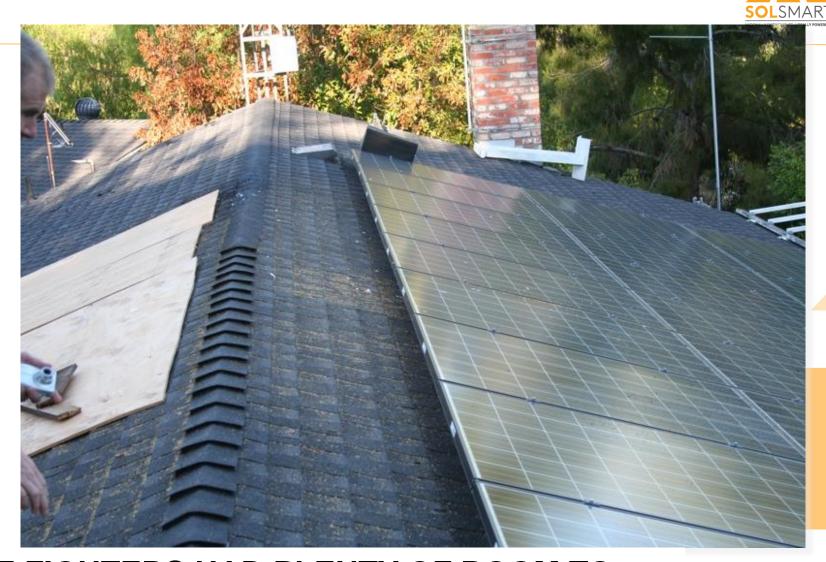


#### 7. Firefighter access according to approved plan.





#### 7. Firefighter access according to approved plan.



FIRE FIGHTERS HAD PLENTY OF ROOM TO FIGHT THE FIRE AT THIS RESIDENCE

8. Roof-mounted PV systems have the required fire



#### CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference Issue Date 20150102 - E346702 E346702 - 20140208 2015-JANUARY-02

Issued to:

ZEP SOLAR INC

161 Mitchell Blvd Ste 104

San Rafael, CA 94903-2085 USA

This is to certify that representative samples of Mounting Systems, Mounting Devices, Clamping Devices and Ground Lugs for Use with Photovoltaic Modules and

Zep System (Steep Slope) with Type 1 modules

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 2703, "Outline of Investigation for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules

and Panels."

Additional Information:

See the UL Online Certifications Directory at www.ul.com/database for additional information

The Zep System (Steep Slope) achieved a system fire

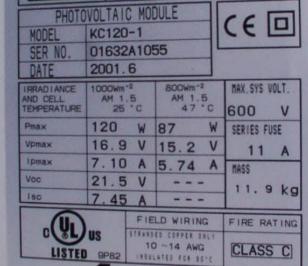
PHOTOVOLTAIC MODULE P KC120-1 01632A1055

Only those products bearing the UL Cert Certification and Follow-Up Service.

Look for the UL Certification Mark on the

Bamelle

Any information and documentation involving UL Mark services are provide contact a local UL Customer Service Representative at www.ul.com/inordae





#### **Certificate of Compliance**

2593411 Certificate:

Master Contract:

December 3, 2014 Date Issued:

Project: Issued to:

SolarWorld AG

24 Martin Luther King Strasse Bonn, Nrth Rhine Westfalia 53175

70016432

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Tatjana Galonja-Stojsavljevic

Issued by: Tatjana Galonja-Stojsavljevic

PRODUCTS

CLASS 5311 10 - POWER SUPPLIES - Photovoltaic Modules and Panels

CLASS 5311 90 - POWER SUPPLIES - Photovoltaic Modules and Panels - Certified to US

Standards

PART A:

Photovoltaic Modules with maximum system voltage of 600 V dc or 1000 V dc and with Fire Performance of Type 1. Model Series:

Sunmodule Plus SW, followed by 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295 or 300 followed by "mono", may be followed by "black".

Sunmodule Plus SW, followed by 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275 or 280 followed by "poly", may be followed by "black".

XL modules - "Sunmodule SW", followed by 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355 or 360 followed by "XL mono", may be followed by "black"

507 Rev. 2012-05-22

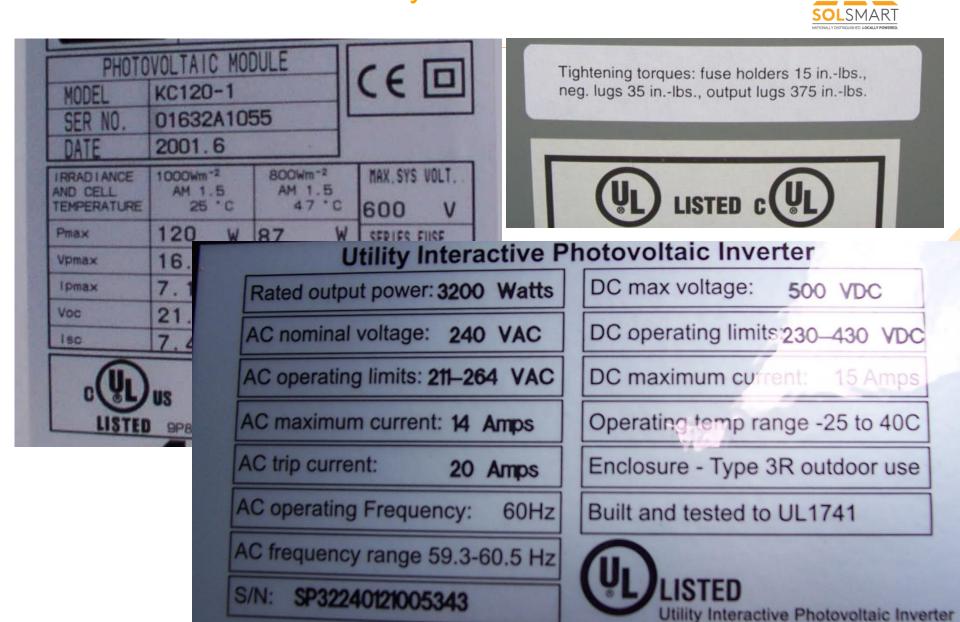
Page: 1



9. Grounding/bonding of rack and modules according to the manufacturer's installation www.solsmart.org

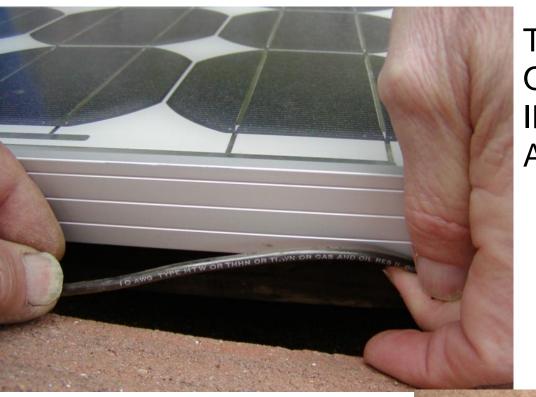
10. Equipment listed and installed according to the approved plan

11. Inverter is marked "utility interactive."



20RP

### 12. Conductors, cables and conduit types, sizes and markings according to the approved



THWN WIRE USED OUTSIDE CONDUIT IN SUNLIGHT-NOT ALLOWED

> PV WIRE HAS CORRECT OUTDOOR RATINGS

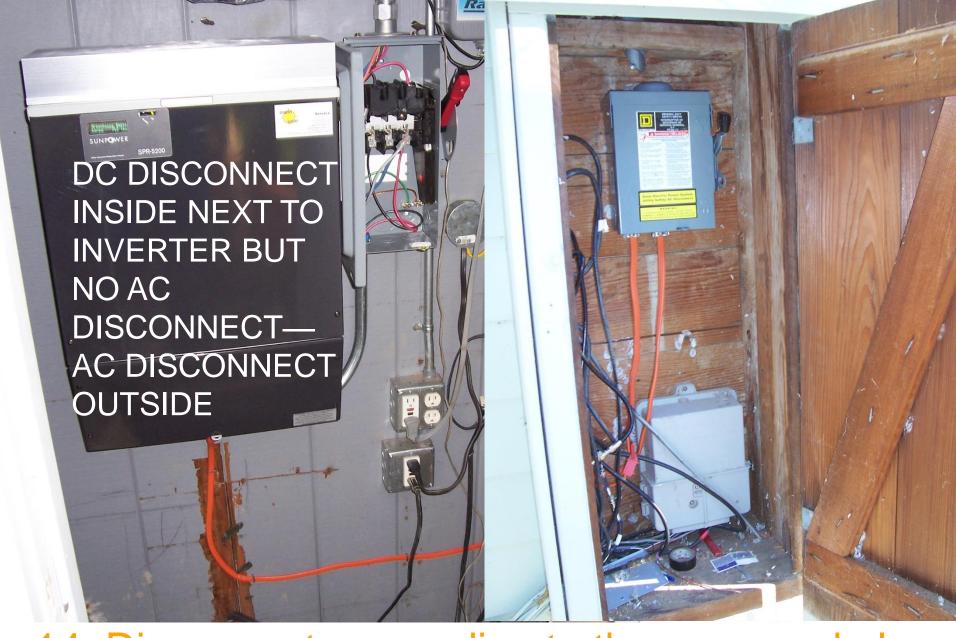
15 26mm2) PHOTOVOLTAIC WIRE TYPE PV 600V SUN-RES

## 13. Overcurrent devices are the type and size according to the approved plan



14. Disconnects according to the approved plan and properly located as required by the





14. Disconnects according to the approved plan and properly located as required to the approved plan

### 15. Inverter output circuit breaker is located at opposite end of bus from utility supply



## 16. PV system markings, labels and signs according to the approved plan



OPERATING AC CURRENT 54.1A OPERATING VOLTAGE 480V



#### DC Photovoltaic Power Source

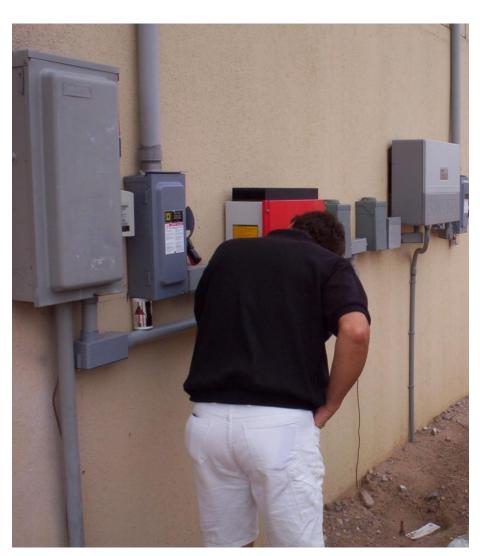
Operating current 19.6 A
Operating voltage 357.0 V
Maximum system voltage 519.5 V
Short-circuit current (max) 26.5 A

WARNING
ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND LOAD SIDES
MAY BE ENERGIZED IN THE OPEN POSITION

### 16. PV system markings, labels and signs according to the approved plan



## 17. Connection of the PV system to the grounding electrode system according to the approved plan





# 18. Access and working space for operation and maintenance of PV equipment



## 19. The rapid shutdown system is installed according to the approved plan [690.12]

